

## **Add Book Scenario**

**Actor: user**

**Type: primary**

**Description:**

First, the user is in the login page where he will have to log in to add a book.

Once the user enters the log in username and password, the main servlet will check whether he is a member or not. If he is not in the JSON file (which holds all the members' information), he will be redirected to the login page.

If the user can login, he will be redirected to the home page.

From the home page, he can click on a link to add a book which will then call the display\_add\_page servlet and redirect him to the add\_update\_page.jsp. On this page he can enter the data in the form to update the book.

Once the user has entered the data in the form and clicked on the submit button, the page then calls the add\_1\_book servlet which takes care of adding the book to the database.

Finally, the user is automatically taken back to the home page where the updated list of all the books is displayed.

## **Set Book Cover Scenario**

**Actor: user**

**Type: primary**

**Description:**

In order to update the book first, the user will have to be logged in.

Once the user enters the credentials to log in, the main servlet checks if the username and password entered by the user are correct. If they are not, then the user will not be able to use the application. Once the user logs in, he will be redirected to the home page.

From there, the user will have the option to update the cover image of one of the books displayed on the home page.

Once the user has clicked the option of updating a book, the `display_update_page` servlet is called. This servlet checks for the book's id to be updated and sends him to the `add_update_page.jsp` which first checks if the user is logged in.

This page is a form which has an option to let the user browse his computer folders for images to update the cover page of the book he would like to update. It also gives him the option of updating the rest of the book data.

Once the cover is set, the submit button is clicked so that necessary updates can take place inside the database.

Finally, the user is automatically taken back to the home page where he can see the updated list of all the books.